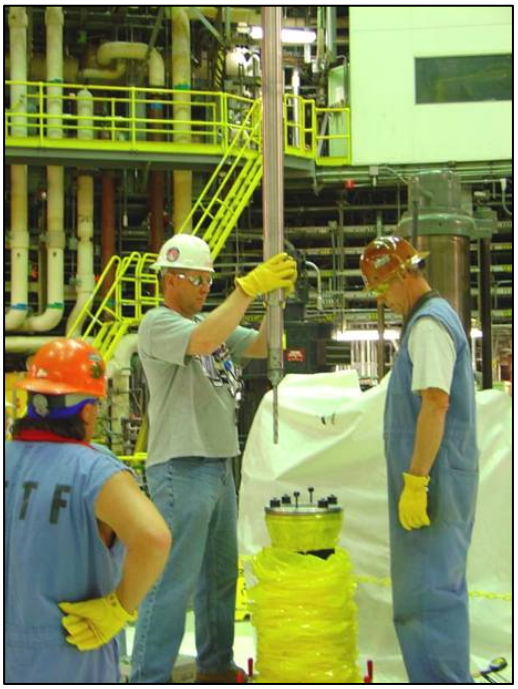
Fast Flux Test Facility (FFTF) Project (RL-0042)

S. V. Doebler, Senior Director of FFTF Closure / (509) 376-0604



FFTF workers prepare to create an access hole into the reactor vessel for final draining of primary sodium

Overview

This section addresses work in Project Baseline Summary RL-0042, *Nuclear Facility Deactivation and Decommissioning, Fast Flux Test Facility Project.*

NOTE: Unless otherwise noted, all information contained herein is as of the end of April 2005.

Notable Accomplishments

Fuel Offload: Fuel pins from experimental fuel assemblies were consolidated for future shipment to Idaho National Laboratory in support of a DOE-HQ request. These pins will provide data for international test programs and the Gen IV reactor development. All preparations were completed for PO-4 processing and the assembly was transferred into the Interim Examination and Maintenance Cell. Additional support was provided to the Plutonium Finishing Plant in preparation of their offload campaign later this year.

Primary Sodium Drain: Preparations for draining the reactor vessel (Phase 3 of primary sodium drain) continue. All hardware and procedures were completed to allow performance of initial reaming of the upper end of the core basket liner attachment tube in preparation for installing the reactor vessel drain pump. Fabrication of the reactor vessel drain pump is near completion. Installation of the drain pump is scheduled to take place before May 25, 2005, supporting the June 30, 2005, Tri-Party Agreement Milestone. The Reactor Vessel Drain Pump control skid was moved into position in containment and much of the new sodium transfer piping was installed.

Fuel Storage Facility (FSF) Sodium Drain: Checkout and repair of the trace heaters on the Fuel Storage Facility vessel and Closed Loop System (CLS) tanks that will be used in draining the vessel were completed. In addition, a large catch pan that will be placed under the CLS tanks was fabricated.

FY 2005 Funds vs. Spend Forecast ($M)

	Projected FY 2005 Funding	FY 2005 Fiscal Year Spend Forecast	Variance
FFTF Project	$ 44.9	$ 44.2	$ 0.7

FY 2005 Schedule/Cost Performance ($M)

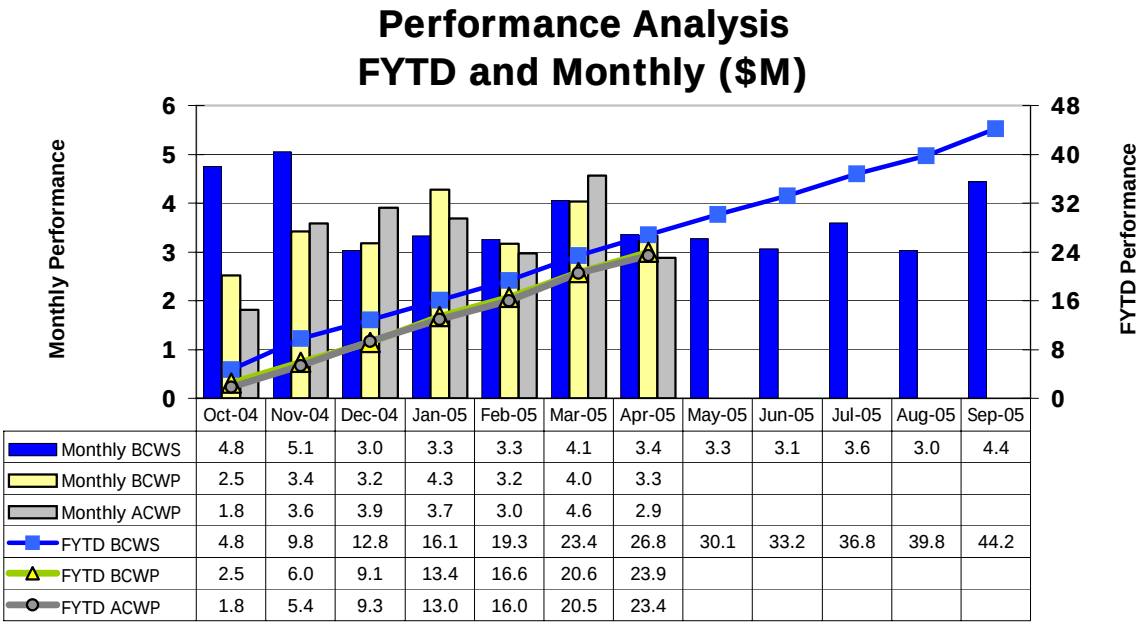
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance $	Schedule Variance %	Cost Variance $	Cost Variance %	Budget At Completion
FFTF Project	$26.8	$23.9	$23.4	-$2.8	-10.5%	$0.5	2.2%	$44.2

Numbers are rounded to the nearest $0.1M.

Schedule Performance (-$2.8M/-10.5%): The schedule variance is primarily due to the Interim Storage Cask (ISC) procurement being budgeted in October and November to clearly identify the timing of needed funds; the fabrication will actually occur from December until the end of the fiscal year.

Cost Performance (+$0.5M/+2.2%): The cost variance is due to staffing underruns and efficiencies.

FY 2005 Schedule/Cost Performance, continued



	Oct-04	Nov-04	Dec-04	Jan-05	Feb-05	Mar-05	Apr-05	May-05	Jun-05	Jul-05	Aug-05	Sep-05
Monthly BCWS	4.8	5.1	3.0	3.3	3.3	4.1	3.4	3.3	3.1	3.6	3.0	4.4
Monthly BCWP	2.5	3.4	3.2	4.3	3.2	4.0	3.3					
Monthly ACWP	1.8	3.6	3.9	3.7	3.0	4.6	2.9					
FYTD BCWS	4.8	9.8	12.8	16.1	19.3	23.4	26.8	30.1	33.2	36.8	39.8	44.2
FYTD BCWP	2.5	6.0	9.1	13.4	16.6	20.6	23.9					
FYTD ACWP	1.8	5.4	9.3	13.0	16.0	20.5	23.4					

Milestone Achievement

Number	Milestone Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
M-81-13 (BM-81-13)	Complete reactor & HTS sodium drain	TPA	6/30/05		6/30/05	On schedule
M-81-11 (BM-81-11)	Submit FFTF end point criteria document	TPA	8/31/05		8/31/05	On schedule
M-92-11 (B43-05-001)	Submit Na disposition evaluation report	TPA	9/30/05			Change submitted for due date to align with EIS development.

NOTE: The ninth ISC was loaded and shipped on January 21, 2005. The tenth ISC was damaged during manufacturing; that ISC will be replaced by the vendor in late summer 2005.